NH P
NEW HAMPSHIRE
POLLUTION PREVENTION PROGRAM

Wastelines

October 2006

DES Recognizes 17 Auto Recycling Yards for Environmental Achievement

Seventeen motor vehicle salvage yards are now a *Certified N.H. Green Yard*, a distinction reserved for salvage facilities that demonstrate exemplary environmental work practices. In order to retain their certification, facilities must not only be in compliance with federal, state and local regulatory standards but also meet the more stringent best management practices developed for the pilot program.

According to N.H. Auto and Truck Recycling Association President Jeff Kantor, New Hampshire's auto salvage yards recycle over 50,000 vehicles a year. "When you see a Certified N.H. Green Yard flag at a salvage yard, you will know the owner is helping to take care of New Hampshire's environment."

Approximately 500,000 vehicles in New Hampshire are over nine years old and will soon be recycled. The average age of a vehicle in a salvage yard is seven to 10 years and at least 95 percent of all cars scrapped in the United States are collected for reuse and recycling. The modern automobile contains many toxic and hazardous components that the auto recycler must remove, recycle, and manage properly in order to reduce contamination to ground and surface water and air emissions during the smelting process. For more information on the N.H. Green Yards Program, visit www.des.nh.gov/SW/Greenyards.

Dave's Automotive Enterprises, Marlborough.

Certified N.H. Green Yards

Brandy Brow Auto Parts, Inc., Plaistow
Bow Auto Parts, Bow
Car World, Inc., Candia
Central N.H. Sales, Inc., Concord
Colony Used Auto Parts, Rochester
Dave's Automotive Enterprises, Marlborough
General Auto Salvage Co., Inc., Claremont
Hebert Towing, Inc., Goffstown
Hopi Corporation, Belmont
Jack Mansur's Auto, Pelham
Jean-Guy's Used Parts, Pelham
John's Truck & Auto Salvage, Kingston
Ken's Auto Sales & Salvage, Kingston
Maurice Auto & Truck Parts, Claremont
P&L Auto Parts, Inc., Berlin
Roy Richardson's Auto Salvage, Pittsfield
Webster Town Auto Recycling, Webster

E-Waste Disposal Ban

The disposal ban of video display devices in New Hampshire landfills and incinerators begins July 1, 2007. Video display devices include televisions, computer displays (CRT), liquid crystal displays and plasma screens larger than four inches in diagonal. This ban will eliminate a major source of lead from the state's disposal facilities and encourage the recycling of electronic waste.

CRT monitors and TVs contain an average of four pounds of lead each. Excessive lead and other toxics pose a problem in unlined landfills because they can leach into groundwater or, in the case of a lined landfill, force expensive leachate treatment. In incinerators, the lead winds up in the ash residues, which is also disposed of in landfills.

Of the 234 municipalities in the state, more than 60 have electronic recycling programs in place. It is expected that this number will grow before the ban becomes effective. DES will be providing information to municipal transfer stations on methods to encourage recycling.

If the recycling rate of video display devices increases from 3 percent in 2003 to 90 percent in 2008, lead recycling rates will increase from 21 tons to 603 tons. For more information contact Don Maurer at (603) 271-3713 or dmaurer@des.state.nh.us.

Tanning Bed Lamps Out? Recycle!

Fluorescent lamps contain mercury that when broken can be hazardous to human health and the environment. Under New Hampshire law, all spent tanning bed lamps are hazardous and must be recycled or disposed of as a hazardous waste.

Did you know …?

- Tanning bed lamps contain 40-80 milligrams; four times the amount of a typical overhead fluorescent lamp.
- A bed contains between 45 to 90 lamps.
- Lamps are changed two or more times a year.
- New Hampshire has 254 licensed tanning salons.
- 40 percent of tanning salons contain five or more beds.

The potential emissions from mismanaged lamps are between five to 20 pounds of mercury a year. Over time, one gram of mercury deposited from the atmosphere every year to a 20-acre lake can result in mercury-contaminated fish that are unsafe to consume on a regular basis. (IMERC 2004). DES recommends limiting the amount of fish you eat; see www.des.nh.gov/pdf/Mercury_Fish.pdf. For more information on tanning bed lamp recycling, visit www.des.nh.gov/nhppp/Mercury/tan_bed_flier_NH.pdf.

e-*WasteLines*

Across the country, P2 programs are switching to electronic newsletter formats to reduce paper and to save on printing costs. NHPPP is also making this transition with a paperless *WasteLines*. To receive *WasteLines* electronically, sign up at www.des.nh.gov/enews/ . We would also like to receive your topic ideas at nhppp@des.state.nh.us.

Innovative Recipients Recognized for Turning Brown into Green Chemistry

Leading researchers and industrial innovators were recognized this week for significant contributions in advancing pollution prevention at the 2006 Presidential Green Chemistry Challenge Awards ceremony in Washington, DC. The presidential-rank awards are given to select individuals and organizations that have made innovative science contributions with identifiable applications that result in less pollution, waste or both in a manufacturing process.

Over the past 11 years, the winners' work has led to the elimination of 750 million pounds of hazardous chemicals and solvents, saved more than 550 million gallons of water, and prevented more than 280 million pounds of carbon dioxide.

The recipients of this year's awards were Galen Suppes, a professor at the University of Missouri-Columbia; Arkon Consultants of Irving, Texas; NuPro Technologies of Winston Salem, North Carolina.; Merck & Company of Whitehouse Station, New Jersey; Codexis, Inc. of Redwood City, California.; and S. C. Johnson, & Son, Inc. of Racine, Wisconsin.

EPA's Green Chemistry Challenge promotes research to develop less-toxic alternatives to existing technologies, and to reduce or eliminate waste generation in industrial production. More than 90 nominations were reviewed by an independent panel of technical experts convened by the American Chemical Society, which selected the five winners. For more information on green chemistry, visit www.epa.gov/greenchemistry/.

NEW HAMPSHIRE DEPARTMENT OF Environmental Services

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